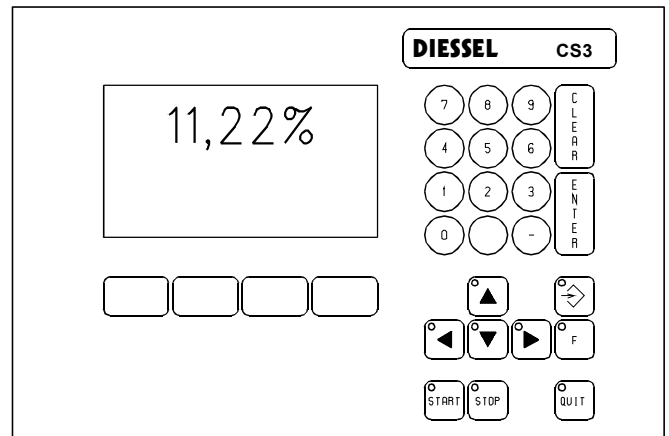


Data Sheet



Special Features

- 16-line/40-digit semi-graphic LCD with background lighting
- display changeable to bulk indication of the measured values
- numeric membrane keyboard with 15 additional functional keys
- product name (beer sort) indicated in clear text
- menu-driven operating environment
- monitoring sampling functions
- easy fine calibration function
- standard possibility for 32 calibration curves (e.g. beersorts)
- expandable for up to 3 **LIQUI-Analyser** Transmitters without requiring any additional software
- input for CO₂ compensation
- electromagnetically compatible design (CE conformity certificate)
- available in a rugged cast aluminium field housing or as a 19" rack



Description

The control and display unit works in connection with the **LIQUI-Analyser Transmitter (D23.11E)**. The data for sound velocity and temperature is transmitted **insensitive to interferences** by the transmitter via the integrated CS3-bus connection.

The CS3 control and display panel includes some standard functions to activate or to parameterize the different calibration curves (beer sorts) and to indicate the measured values.

Up to 3 **LIQUI-Analyser Transmitters** (3 lines max.) can be linked to one control and display panel.

Technical Data

| | Field housing | 19" rack (optional) |
|--------------------------------|---|--|
| Housing | varnished cast aluminium housing acc. to DIN 1725 | aluminium profile |
| Protective class | IP 65 | IP 20 |
| Dimensions/weight | 330 x 230 x 151 | 482.6 x 132.5 x 250 (84 depth units) x (3 height units) |
| | 8.5 kg | 4 kg |
| Auxiliary energy | 95 ... 260 V AC (48 ... 62 Hz) | 10 ... 30 V DC |
| Power consumption | 20 VA (standard configuration) | |
| Display | 16-line/40-digit | |
| | bulk indication: digit size 13 mm | |
| Distance to transmitter | standard: 20 m | |
| | maximum: 1,200 m | |

GEA Diesel GmbH
 Steven 1
 D-31135 Hildesheim
 Germany
 ☎ +49 (0)5121-742-0

LIQUI-Analyser Control and Display Panel

D 23.18 E

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Operating Conditions

The control and display panel is connected to the **GEA Diesel LIQUI-Analyser Transmitter** via a special data cable (see data sheet D 23.11 E). Up to 3 transmitters can be attached without necessitating any additional hardware components.

Product selection (32 calibration curves, e.g. for 32 beer sorts), indication of measured values, limit value control and analog output of measured values are processed via the control and display panel in the standard configuration. The digital inputs enable a product selection via an external sort key.

The electronic components are set up from our **Controller System 3**. The integrated CS3-bus connection renders it easily possible to combine or expand the control and display panel with some further **CS3** modules to an automatic control system. A variety of different input/output modules with integrated computers and different components for a man-machine communication are available for that purpose.

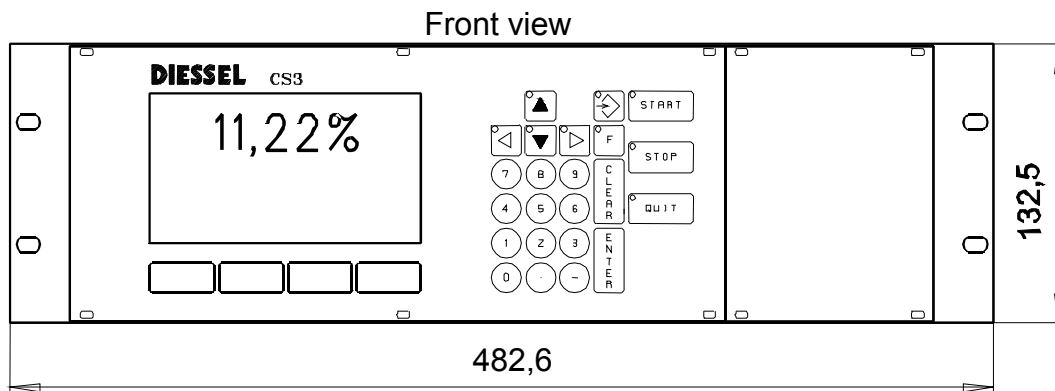
Standard Functions:

| Input - Output | Number | Function |
|---|----------|--|
| analog IN: 0/4 ... 20 mA | 4 | 3 x CO ₂ meter for compensation of 3 lines max. |
| analog OUT: 0/4 ... 20 mA volt-free / 500 Ω max. | 4 | 1 x temperature (for 1 line) 1 x original gravity (for lines 1 - 3) |
| digital IN (optocoupler) 10 ... 30 V (I min: 8 mA) | 8 | 5 x BCD for 32 beer sorts / 1 x cleaning / 1 x Quit 1 x metering interruption (for 1 line each) |
| digital OUT (optocoupler) 10 ... 30 V / 250 mA max. | 8 | 3 x limit values (for line 1) / disturbance and alarms |

Dimensions

19" rack

cutout dimensions: 450 x 134



Field housing

dimensions: 330 x 230 x 155

